

INCREASE GLASS RECYCLING FOR MONTANA USING A HIGH QUALITY MOBILE PULVERIZATION SYSTEM

Most markets for post consumer glass are a great distance from Montana resulting in transportation costs that impede recycling.

WHAT: In 2006, Montana's mobile glass pulverizer recycled 2,000 tons of waste glass into aggregate which has been used in several projects across Montana.

Headwaters Cooperative Recycling operates the glass pulverizer. To assist with the challenges of recycling glass in Montana, the pulverizer has processed over 1,600 tons of glass cullet in Boulder this past year and has just relocated to Butte to process over 400 tons of glass cullet. The glass pulverizer is scheduled to move to Helena in late January to process another 400 tons of recycled glass. After Helena, the pulverizer will move to yet another community and provide glass processing services for local end uses.



Montana is not located near an existing glass facility nor does the state have large enough population to create demand for its own facility, or to supply a manufacturing facility. Therefore, secondary markets must be local markets created for the glass cullet. In response to the distance to markets and low quantities of glass, there is a new push to increase glass recycling for Montana using a high quality mobile pulverization system that produces a glass cullet with no fractured edges (can be safely handled without concern of cuts or abrasions). The cullet resembles natural aggregates (fine sand or gravel) and can replace stone in many applications.



Some of the uses of this versatile product in area communities have been:

- Parking lots
- Septic Fields
- Garden paths
- Landscaping
- Flooring
- Road material

THE NORTHERN PLAINS RESOURCE COUNCIL, located in Billings, has placed the cullet in their new green building parking lot, using the pave2 recycled pad as the base with the glass cullet as the filler.

HAYFIELD SUBDIVISION in Helena has used the cullet as septic tank drain field and drain pipe bedding.

THE HELENA YMCA has used the glass cullet for the paths around their community gardens.

HELENA SAND AND GRAVEL is now selling the cullet in their retail yard for landscaping.





LANDSCAPING WITH RECYCLED GLASS

who has donated \$5000 toward operating and marketing expenses, and DEQ has devoted huge quantities of time to developing local markets.

WHO: Headwaters Cooperative Recycling is embarking on a private-public partnership with the Montana DEQ to increase glass recycling by using a high quality mobile pulverization system that produces a glass cullet with no fractured edges (can be safely handled without concern of cuts or abrasions).

WHY: Most markets for post consumer glass are a great distance from Montana resulting in transportation costs that impede recycling. In response to these higher costs, pulverized glass is a new way to recycle glass.

MEDIA VISUALS:

FOR MORE INFORMATION CONTACT:

Dusti Johnson at (406) 841-5253 or dujohnson@mt.gov or

Bill Crane at (406) 443-3101 or manager@headwatersrecycle.com

